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7	1038	@ad<20000321 and ((install\$5 registration insert\$3) same network) and (713/\$.ccls. 705/\$.ccls. 709/\$.ccls. 380/\$.ccls.) and authenticat\$3 and address	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/01/08 09:37
8	1540	@ad<20000321 and ((install\$5 registration insert\$3) same network) and (713/\$.ccls. 705/\$.ccls. 709/\$.ccls. 380/\$.ccls.) and authenticat\$3 and address and key	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/01/08 09:38
9	1203	@ad<20000321 and ((install\$5 registration) same network) and (713/\$.ccls. 705/\$.ccls. 709/\$.ccls. 380/\$.ccls.) and authenticat\$3 and identif\$7	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/01/08 09:38
10	531	@ad<20000321 and ((install\$5 registration) same network) and (713/\$.ccls. 705/\$.ccls. 709/\$.ccls. 380/\$.ccls.) and authenticat\$3 and identif\$7 and ("IP" protocol network) adj address)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/01/08 09:39
11	18	@ad<20000321 and ((install\$5 registration) same network) and (713/\$.ccls. 705/\$.ccls. 709/\$.ccls. 380/\$.ccls.) and authenticat\$3 and identif\$7 and ("IP" protocol network) adj address) and (plug adj2 play)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/01/08 09:39
12	22	@ad<20000321 and ((install\$5 registration) same network) and (713/\$.ccls. 705/\$.ccls. 709/\$.ccls. 380/\$.ccls.) and authenticat\$3 and identif\$7 and ("IP" protocol network) adj address) and (plug adj2 play)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/01/08 10:56
13	17	("5410543"   "5412654"   "5596723"   "5598536"   "5692124"   "5708654"   "5757924"   "5790548"   "5835725"   "5852721"   "5854901"   "6061739"   "6070187"   "6130892"   "6167513"   "6189042"   "6324580").PN.	USPAT	2004/01/08 09:50
14	91	5598536.URPN.	USPAT	2004/01/08 10:08
15	20	@ad<20000321 and (dhcp near authenticat\$3) and (713/\$.ccls. 705/\$.ccls. 709/\$.ccls. 380/\$.ccls.)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/01/08 10:57

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Michele J. Wright

March 1999

**International Journal of Network Management**, Volume 9 Issue 2

Full text available: pdf (469.84 KB)

Additional information: [full citation](#), [abstract](#), [index terms](#)

The goal of policy-based management is to reduce the complex administration of networks. Copyright © 1999 John Wiley & Sons, Ltd.

<sup>2</sup> [Using DHCP with computers that move0](#)

Charles E. Perkins, Kevin Luo

March 1995

**Wireless Networks**, Volume 1 Issue 3

Full text available: pdf (1.10 MB)

Additional information: [full citation](#), [abstract](#), [references](#), [citations](#)

The Dynamic Host Configuration Protocol (DHCP) was designed to allow the frequent allocation of resources and configuration information useful to Internet hosts at boot time, including Internet addresses in particular. It turns out that getting a new Internet address is crucial to the problem of enabling the movement of Internet hosts from one network to another, and thus DHCP is quite relevant to the problem of providing seamless, transparent mobility to Internet hosts. We decided to inves ...

<sup>3</sup> [A new multicasting-based architecture for Internet host mobility](#)

Jayanth Mysore, Vaduvur Bharghavan

September 1997

**Proceedings of the 3rd annual ACM/IEEE International conference on Mobile computing and networking**

Full text available: pdf (2.08 MB)

Additional information: [full citation](#), [references](#), [citations](#), [index terms](#)<sup>4</sup> [Mobile networking in the Internet](#)

Charles E. Perkins

December 1998

**Mobile Networks and Applications**, Volume 3 Issue 4

Full text available: pdf (198.90 KB)

Additional information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Computers capable of attaching to the Internet from many places are likely to grow in popularity until they dominate the population of the Internet. Consequently, protocol research has shifted into high gear to develop appropriate network protocols for supporting mobility. This introductory article attempts to outline some of the many promising and interesting research directions. The papers in this special issue indicate the diversity of viewpoints within the research community, and it is ...

<sup>5</sup> [A public-key based secure mobile IP](#)

John Zao, Joshua Gahm, Gregory Troxel, Matthew Condell, Pam Hellinek, Nina Yuan, Isidro Castineyra, Stephen Kent

October 1999

**Wireless Networks**, Volume 5 Issue 5

Full text available: pdf (255.65 KB)

Additional information: [full citation](#), [references](#), [citations](#), [index terms](#)<sup>6</sup> [Papers: A novel approach to mobility management](#)

Ron Hutchins, Tracy Camp, Philip H. Enslow

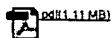
January 1999

**ACM SIGCOMM Computer Communication Review**, Volume 29 Issue 1

Full text available:

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pdf (1.1 MB)

[full citation](#), [abstract](#), [references](#)

In this paper, we propose a novel approach to computer mobility. Our approach allows mobility to be rapidly deployed, as the networking infrastructure required for deployment is available off the shelf. Furthermore, a mobile node does not require modifications in order to use these mobile services. While our approach provides rapid deployment and supports both IP and non-IP protocols, only a subset of mobile usage scenarios are offered. In other words, our approach does not solve all the problem ...

considered

7 [Secure and mobile networking](#)

Vipul Gupta, Gabriel Montenegro

December 1998

**Mobile Networks and Applications**, Volume 3 Issue 4

Full text available: pdf (223.38 KB)

Additional information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The IETF Mobile IP protocol is a significant step towards enabling nomadic Internet users. It allows a mobile node to maintain and use the same IP address even as it changes its point of attachment to the Internet. Mobility implies higher security risks than static operation. Portable devices may be stolen or their traffic may, at times, pass through links with questionable security characteristics. Most commercial organizations use some combination of source-filtering routers, sophisticated ...

considered

8 [Dynamic network reconfiguration support for mobile computers](#)

Jon Inouye, Jim Binkley, Jonathan Walpole

September 1997

**Proceedings of the 3rd annual ACM/IEEE international conference on Mobile computing and networking**

Full text available: pdf (1.60 MB)

Additional information: [full citation](#), [references](#), [citations](#), [index terms](#)9 [BlueSky: a cordless networking solution for palmtop computers](#)

Pravin Bhagwat, Ibrahim Korpeoglu, Chatschik Bisdikian, Mahmoud Naghshineh, Satish K. Tripathi

August 1999

**Proceedings of the 5th annual ACM/IEEE international conference on Mobile computing and networking**

Full text available: pdf (1.31 MB)

Additional information: [full citation](#), [references](#), [index terms](#)10 [Using Linux with Network Computers](#)

Brian Vincent

April 1999

**Linux Journal**

Full text available: html (10.87 KB)

Additional information: [full citation](#), [abstract](#), [index terms](#)

A look at one man's experiences setting up Linux as an application and boot server for Neoware network computers

11 [A public-key based secure mobile IP](#)

John Zao, Stephen Kent, Joshua Gahm, Gregory Troxel, Matthew Condell, Pam Helinek, Nina Yuan, Isidro Castineyra

September 1997

**Proceedings of the 3rd annual ACM/IEEE international conference on Mobile computing and networking**

Full text available: pdf (1.95 MB)

Additional information: [full citation](#), [references](#), [citations](#)12 [Ticket based service access for the mobile user](#)

Bhrat Patel, Jon Crowcroft

September 1997

**Proceedings of the 3rd annual ACM/IEEE international conference on Mobile computing and networking**

Full text available: pdf (1.62 MB)

Additional information: [full citation](#), [references](#), [citations](#), [index terms](#)13 [Scalable support for transparent mobile host internetworking](#)

David B. Johnson

March 1995

**Wireless Networks**, Volume 1 Issue 3

Full text available: pdf (1.10 MB)

Additional information: [full citation](#), [abstract](#), [references](#), [citations](#)

This paper considers the problem of providing transparent support for very large numbers of mobile hosts within a large internetwork such as the Internet. The availability of powerful mobile computing devices and wireless networking products and services is increasing dramatically, but internetworking protocols such as IP used in the Internet do not currently support host movement. To address this need, the Internet Engineering Task Force (IETF) is currently developing protocols for mobile ...

**14 Next century challenges: data-centric networking for invisible computing: the Portolano project at the University of Washington**

Mike Esler, Jeffrey Hightower, Tom Anderson, Gaetano Borriello  
August 1999

**Proceedings of the 5th annual ACM/IEEE International conference on Mobile computing and networking**

Full text available:  pdf(1.93 MB)

Additional information: [full citation](#), [references](#), [citations](#), [index terms](#)

**15 Composable ad hoc location-based services for heterogeneous mobile clients**

Todd D. Hodes, Randy H. Katz

October 1999 **Wireless Networks**, Volume 5 Issue 5

Full text available:  pdf(403.18 KB)

Additional information: [full citation](#), [references](#), [citations](#), [index terms](#)

**16 A survey of routing techniques for mobile communications networks**

S. Ramanathan, Martha Steenstrup

October 1996 **Mobile Networks and Applications**, Volume 1 Issue 2

Full text available:  pdf(276.69 KB)

Additional information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Mobile wireless networks pose interesting challenges for routing system design. To produce feasible routes in a mobile wireless network, a routing system must be able to accommodate roving users, changing network topology, and fluctuating link quality. We discuss the impact of node mobility and wireless communication on routing system design, and we survey the set of techniques employed in or proposed for routing in mobile wireless networks.

**17 Composable ad-hoc mobile services for universal interaction**

Todd D. Hodes, Randy H. Katz, Edouard Servan-Schreiber, Lawrence Rowe  
September 1997

**Proceedings of the 3rd annual ACM/IEEE international conference on Mobile computing and networking**

Full text available:  pdf(1.66 MB)

Additional information: [full citation](#), [references](#), [citations](#), [index terms](#)

**18 Wireless data: systems, standards, service**

Antonio De Simone, Sanjiv Nanda

March 1995 **Wireless Networks**, Volume 1 Issue 3

Full text available:  pdf(1.14 MB)

Additional information: [full citation](#), [abstract](#), [references](#), [citations](#)

Wireless data products and services being proposed today include exotic mixes of services and technologies: packet transport over cellular circuits, facsimile service over Cellular Digital Packet Data (CDPD), voice and video over wireless LANs, and everything in between. Data networking terms that seem to have a clear meaning—data-link, network and transport layers; circuit-mode and datagram; connection-less and connection-oriented—in fact have meaning only in context. Thus TCP, ...

**19 Mobility support using SIP**

Elin Wedlund, Henning Schulzrinne

August 1999 **Proceedings of the 2nd ACM International workshop on Wireless mobile multimedia**

Full text available:  pdf(711.46 KB)

Additional information: [full citation](#), [references](#), [citations](#), [index terms](#)

**20 Re-centralizing: the pendulum wobbles back**

Don M. Wee

September 1996 **Proceedings of the 24th annual ACM SIGUCCS conference on User services**

Full text available:  pdf(533.41 KB)

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<sup>21</sup> Bibliography of recent publications on computer communication

Martha Steenstrup

January 1998

ACM SIGCOMM Computer Communication Review, Volume 28 Issue 1

Full text available:  pdf(2.02 MB)Additional Information: [full citation](#), [abstract](#), [index terms](#)

The quantitative results presented in our SIGCOMM '97 paper [1] include numerous minor errors. These errors were caused by programming bugs that led to faulty analyses and simulations, and by inaccurate transcriptions during the preparation of the paper. Here we present corrected figures and tables, as well as corrections to values that appeared in the text of the original paper. The effect of correcting the errors is to reduce the differences between the results based on the proxy trace and the ...

<sup>22</sup> Internet mobility 4x4

Stuart Cheshire, Mary Baker

August 1996

**ACM SIGCOMM Computer Communication Review**, Conference proceedings on Applications, technologies, architectures, and protocols for computer communications, Volume 26 Issue 4

Full text available:  pdf(208.28 KB)

**Additional Information:** [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Mobile IP protocols allow mobile hosts to send and receive packets addressed with their home network IP address, regardless of the IP address of their current point of attachment in the Internet. While some recent work in Mobile IP focuses on a couple of specific routing optimizations for sending packets to and from mobile hosts [Joh96] [Mon96], we show that a variety of different optimizations are appropriate in different circumstances. The best choice, which may vary on a connection-by-connection basis, is to use the

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*considered*  
**1 Automated configuration of TCP/IP with DHCP**

Droms, R.;

Internet Computing, IEEE, Volume: 3, Issue: 4, July-Aug. 1999

Pages:45 - 53

[\[Abstract\]](#)   [\[PDF Full-Text \(104 KB\)\]](#)   IEEE JNL

**2 The improvement for integrity between DHCP and DNS**

Chul-Jin Park; Seong-Jin Ahn; Jin-Wook Chung; Choon-Hi Lee; Chang-Soon Park;

High Performance Computing on the Information Superhighway, 1997. HPC Asia '97, 28 April-2 1997

Pages:511 - 516

[\[Abstract\]](#)   [\[PDF Full-Text \(484 KB\)\]](#)   IEEE CNF

*considered*  
**3 DHCP for mobile networking with TCP/IP**

Perkins, C.E.; Jagannadh, T.;

Computers and Communications, 1995. Proceedings., IEEE Symposium on, 27-29 June 1995

Pages:255 - 261

[\[Abstract\]](#)   [\[PDF Full-Text \(676 KB\)\]](#)   IEEE CNF

**4 DHCP for IPv6**

Perkins, C.E.; Bound, J.;

Computers and Communications, 1998. ISCC '98. Proceedings. Third IEEE Symposium on, 30 July 1998

Pages:493 - 497

[\[Abstract\]](#)   [\[PDF Full-Text \(120 KB\)\]](#)   IEEE CNF

*considered*  
**5 Self-configuring networks**

Mcauley, A.J.; Manousakis, K.;

MILCOM 2000. 21st Century Military Communications Conference Proceedings, Volume: 1, 22-2 2000

Pages:315 - 319 vol.1

[\[Abstract\]](#)   [\[PDF Full-Text \(412 KB\)\]](#)   IEEE CNF

**6 Realizing the benefits of virtual LANs by using IPv6**

Kurz, T.; Le Boudec, J.-Y.; Einsiedler, H.J.;

Broadband Communications, 1998. Accessing, Transmission, Networking. Proceedings. 1998 International Zurich Seminar on, 17-19 Feb. 1998

Pages:279 - 283

[\[Abstract\]](#) [\[PDF Full-Text \(452 KB\)\]](#) IEEE CNF

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**7 Protocols for a self-healing network**

*Green, C.J.;*

Military Communications Conference, 1995. MILCOM '95, Conference Record, IEEE , Volume: 1 , Nov. 1995

Pages:252 - 256 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(472 KB\)\]](#) IEEE CNF

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